

INTERNATIONAL SEARCH REPORT

Intern Application No
PCT/JP2005/015499

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04B3/54

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal , WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category "	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2004/070912 A1 (KOPP LOWELL ELLIS) 15 April 2004 (2004-04-15) paragraphs '0005!, '0007!, '0017!, '0019!, '0026!, '0032!, '0037!, '0039! -----	1-10
A	US 2003/016123 A1 (TAGER WOLFGANG ET AL) 23 January 2003 (2003-01-23) paragraphs '0057! - '0061! -----	1-10

D Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search 6 October 2005	Date of mailing of the international search report 12/10/2005
Name and mailing address of the ISA European Patent Office, P.B. 5618 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer De Iulius, M

INTERNATIONAL SEARCH REPORT

Information on patent family members

Intern: Application No
PCT/JP2005/015499

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2004070912 A1	15-04-2004	NONE	
US 2003016123 A1	23-01-2003	DE 10014676 A1	18-10-2001
		EP 1137194 A2	26-09-2001
		JP 2001320306 A	16-11-2001
		NO 20011501 A	25-09-2001